LEC 4 MATH JAS (c) $\hat{\theta}_{b}^{2} := 5_{b}^{2} - 5_{b}^{2}$ (e) Obiz 5%, It hi= h2=100, then he (20) = 105B possible subsetts. (f) Phiz dh - dh : may more!!! Now, using the computer, he create many, may sussess 6 97) Calculare verbichere de ne choose to the Streens This approximas the null diver, l= Runle [05, 2] U = Rule (85, 1-27 Now we order the Es's and the 2 and 1-2 personiles form the empores of teRET. Non we comme & is the ACTUAL sample and see 9 ERET -> RETAIN A.

This is an court test if we would similare all, soughes, otherwise it is approvente. Who sull sayle sous is is come. Haven, if Is is very large, in the mellions, in perry much come. This test is non-formore as he dilus make any downbrown assupresses. The K-S floot is gless you-parmeans. "Fishing Pernson Test" Ench & definition is quentent! Wy how may sens for the same Ha? became each sest his different paser basel on the imbody to the second Non-promises sens tent to how higher power than

Non-prometre seste when the parameter sests are highly approximately seek seems.

Hon to get pool? Expand RETX 4mil $\hat{\partial} \in RET$,
This it's equality to $(2P(\hat{\partial}_b > \hat{\partial}), 2P(\hat{\partial}_b < \hat{\partial})^3$ Ways to get CI's? Hes, beyond scope of course.

Vey poinful dest: Esson's Bootsap'. (1979) Let Xu, Kn ich DGP (Du, Dn) let $\phi = g\left(Q_{1,...},Q_{K}\right)$ which could be almost analy e.g. $\phi = \text{Med}(X), \ \phi = \mathbb{Q}[X, 25\%], \text{ etc.}$ $\Rightarrow \hat{\sigma} = \text{Med}[X_{\text{min}}, \hat{\sigma}], \ \hat{\sigma} = \mathbb{Q}[X_{\text{min}}, X_{\text{min}}, 25\%]$ benully spenking, he do not know how to get the distr. of $\hat{\sigma}$ so he can get instrume. The boossty grow you an asymptoticly inlike distrif \$\tilde{\phi}\$. Method: for many B resordings, draw {xb,1,...xb,n3 with replacement for the resulting. Doing this may three, { di, i de 3 can be troughed as sydes for about which is approauly à i.e. Ébour 3 Pull yourself up by the bootsup" reads some yourself mirrorberty. which is correctly also this is! How to get CI's? CÎD, 1- x = [Q[{\vec{a}}, ..., \vec{b}_{6}\vec{3}, \vec{4}], Q[{\vec{a}}, ..., \vec{d}_{6}\vec{3}, 1-\vec{2}] How to do testing? Ha: $0 \neq 0$ 0

If $0 \in C\hat{I}_{0,1-\alpha} \Rightarrow Return Ho$ Occ-sited sees ... make 1-sited CI's (nor council).